

FORM PTO-1449		ATTY. DOC. NO. 266/118	SERIAL NO. Not Yet Assigned
LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT: Vincent P. Stanton, Jr., M.D., et al	
		FILING DATE: January 8, 2002	GROUP: Not Yet Assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
7	AA	4,701,419	10-20-87	Morris	436	89	11-26-85
	AB	4,879,214	11-7-89	Kornher et al	435	91	11-15-88
	AC	5,003,059	3-26-91	Brennan	536	27	6-20-88
	AD	5,064,754	11-12-91	Mills	435	6	11-13-87
	AE	5,174,962	12-29-92	Brennan	422	78	6-20-89
	AF	5,187,085	2-16-93	Lee	435	91	9-28-90
	AG	5,221,518	6-22-93	Mills	422	62	8-13-91
	AH	5,332,666	7-26-94	Prober et al	435	91.5	10-22-91
	AI	5,424,184	6-13-95	Santamaria et al	435	6	5-8-91
	AJ	5,547,835	8-20-96	Köster	435	6	1-6-94
	AK	5,552,278	9-3-96	Brenner	435	6	7-25-94
	AL	5,580,733	12-3-96	Levis et al	435	6	9-6-94
	AM	5,605,798	2-25-97	Köster	435	6	3-17-95
	AN	5,622,824	4-22-97	Köster	435	6	2-10-95
	AO	5,691,141	11-25-97	Köster	435	6	6-6-95
	AP	5,700,642	12-23-97	Monforte et al	435	6	5-22-95
	AQ	5,830,655	11-3-98	Monforte et al	435	6	4-26-96
	AR	5,869,242	2-9-99	Kamb	435	6	9-18-95
14	AS	5,939,292	8-17-99	Gelfand et al	435	91.2	8-5-97

FOREIGN PATENT DOCUMENTS

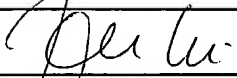
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
14	AT	WO98/00433	1-8-98	PCT			

EXAMINER:	<i>Dee Wei</i>	DATE CONSIDERED:	<i>3/28/04</i>
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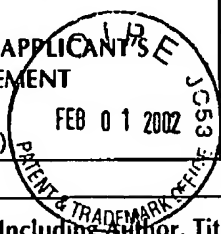
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	FEB 01 2002	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

1	AU	Andersson, B. et al., "Simultaneous shotgun sequencing of multiple cDNA clones," <u>DNA Sequence</u> , 1997, 7:63-70
	AV	Astatke, M., et al, "Deoxynucleoside triphosphate and pyrophosphate binding sites in the catalytically competent ternary complex for the polymerase reaction catalyzed by DNA polymerase I (Klenow fragment)," <u>J. Biol. Chem.</u> , 1995, 270: 1945-54.
	AW	Astatke, M., et al, "How <i>E. coli</i> DNA polymerase I (Klenow fragment) distinguishes between Deoxy- and Dideoxynucleotides," <u>J. Mol. Biol.</u> , 1998, 278:147-165.
	AX	Astatke, M., et. al, "A single side chain prevents <i>Escherichia coli</i> DNA polymerase I (Klenow fragment) from incorporating ribonucleotides," <u>Proc. Nat. Acad. Sci. USA</u> , 1998, 95:3402-3407
	AY	Barnes, W.M., "DNA Sequencing by Partial Ribosubstitution," <u>J. Mol. Bio.</u> , 1978, 119:83-99
	AZ	Barnes, W.M., "PCR amplification of up to 35-kb DNA with high fidelity and high yield from λ bacteriophage templates," <u>Proc. Natl. Acad. Sci. USA</u> , 1994, 91:2216-2220
	BA	Beavis, R., et al "Matrix-assisted laser desorption/ionization mass spectrometry of biopolymers," <u>Anal. Biochem.</u> , 1991, 63: 1193-1203
	BB	Chen, C. N., et al, "Ordered shotgun sequencing of a 135 kb Xq25 YAC containing ANT2 and four possible genes, including three confirmed by EST matches," <u>Nucleic Acids Research</u> , 1996, 24:4034-4041
	BC	Daugherty P.S., et al., "Antibody affinity maturation using bacterial surface display," <u>Protein Eng</u> 1998, 11:825-32,
	BD	Delarue, M., et al., "An attempt to unify the structure of polymerases," <u>Protein Eng.</u> 1990, 3:461-467
	BE	Fichant, G. A. and Quentin, Y., "A frameshift error detection algorithm for DNA sequencing projects," <u>Nucleic Acid Research</u> , 23:2900-2908, 1995
	BF	Fu, D. J., et al., "Sequencing exons 5 to 8 of the <i>p53</i> gene by MALDI-TOF mass spectrometry," <u>Nature Biotechnology</u> , 1998, 16:381-384.
	BG	Giese, B., et al, "The chemistry of single-stranded 4'-DNA radicals: influence of the radical precursor on anaerobic and aerobic strand cleavage," <u>Chemistry & Biology</u> , 1995, 2 No. 6, 367-375
	BH	Giese, B., et al, "The mechanism of anaerobic, Radical-Induced DNA strand scission," <u>Angew. Chem. Int. Ed. Engl.</u> 1993, 32:1742-43.
	BI	Gish, G., et al "DNA and RNA Sequence Determination Based on Phosphorothioate Chemistry," <u>Reports</u> , 1988 1520-1522
	BJ	Gupta and Kool, "A self-cleaving DNA nucleoside," <u>Chem. Commun.</u> 1997, pp 1425 - 26
	BK	Harayama, S., "Artificial evolution by DNA shuffling," <u>Trends Biotechnol.</u> , 1998, 16:76-82
	BL	Hentosh, P. et al, "Polymerase chain reaction amplification of single-stranded DNA containing a base analog, 2-Chloroadenine," <u>Anal. Biochem.</u> , 1992, 201: 277-281.
	BM	Huang, Y., "Determinants of Ribose Specificity in RNA Polymerization: Effects of Mn^{2+} and Deoxynucleoside Monophosphate Incorporation into Transcripts," <u>Biochemistry</u> , 1997, 36:13718-13728.
	BN	Joyce, C. M., "Choosing the right sugar: How polymerases select a nucleotide substrate," <u>Proc. Natl. Acad. Sci. USA</u> , 1997, 94:1619-1622
	BO	Kaczorowski, T., et al., "Assembly of 18-nucleotide primers by ligation of three hexamers: sequencing of large genomes by primer walking," <u>Anal. Biochem.</u> , 1994, 221:127-135;
	BP	Khurshid, F., et al, "Error analysis in manual and automated DNA sequencing," <u>Analytical Biochemistry</u> , 208:138-143, 1993;
2	BQ	Kirpekar, F., et al, "Matrix-assisted laser desorption-ionization mass spectrometry of enzymatically synthesized RNA up to 150 kDa," <u>Nucleic Acids Research</u> , 1994, 22: No. 19 3866-3870

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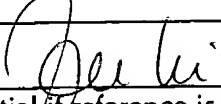


OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
2	BR	Kristensen, T., et al, "An estimate of the sequencing error frequency in the DNA sequence databases," <u>DNA Sequencing</u> , 2:343-346, 1992;
	BS	Landegren, U. et al., Reading Bits of Genetic Information: Methods for Single-nucleotide Polymorphism Analysis, <u>Genome Research</u> 1998, 88:769-76.
	BT	Liu, D., et al., "Bi-stranded, multisite replication of a base pair between difluorotoluene and Adenine: confirmation by 'inverse' sequencing," <u>Chem. Biol.</u> , 4:919-929, 1997;
	BU	Lodhi, M. A., et al., "High-quality automated DNA sequencing primed with hexamer strings," <u>Genome Research</u> , 1996, 6:10-18.
	BV	Martin-Gallardo, et al., "Automated DNA sequencing and analysis of 106 kilobases from human chromosome 19q13.3," <u>Nature Genetics</u> , 1992 1:34-39.
	BW	Marx, A., et al, "Synthesis of 4'-C-Acylated Thymidines," <u>Helv. Chim. Acta</u> , 1966, 79:1980-94
	BX	Maxam and Gilbert, "A new method for sequencing DNA" <u>Proc. Nat. Acad. Sci. USA</u> , 74, 560-564 1977
	BY	Moran, S., et al., "A thymidine triphosphate shape analog lacking Watson-Crick pairing ability is replicated with high sequence selectivity," <u>Proc. Natl. Acad. Sci. USA</u> , 94:10506-10511, 1997.
	BZ	Nakamaye, K. et al, "Direct sequencing of polymerase chain reaction amplified DNA fragments through the incorporation of deoxynucleoside α -thiotriphosphates," <u>Nucleic Acid Research</u> , 1988, 16:9947-9959
	CA	Nelson, R.W., et al, "Volatilization of High Molecular Weight DNA by Pulsed Laser Ablation of Frozen Aqueous Solutions," <u>Science</u> 1989, Vol. 246, 1585-1587
	CB	Nickerson, D.A., "DNA sequence diversity in a 9.7-kb region of the human lipoprotein lipase gene," <u>Nature Genetics</u> , 1998, 223-240
	CC	Nordhoff, E. et al, "Comparison of IR- and UV-matrix-assisted laser desorption/ionization mass spectrometry of oligodeoxynucleotides," <u>Nucleic Acids Research</u> , 1994, 22: No. 13, 2460-2465
	CD	Nordhoff, E. et al, "Ion stability of nucleic acids in infrared matrix-assisted laser desorption/ionization mass spectrometry," <u>Nucleic Acids Research</u> , 1993, 21:No. 15 3347-3357
	CE	Olsen, D.B. et al, "[8] Direct sequencing of polymerase chain reaction products," <u>Methods of Enzymology</u> , Vol 218 pp 79-92, 1993
	CF	Ono, T., et al., "2'-Fluoro modified nucleic acids: polymerase-directed synthesis, properties and stability to analysis by matrix-assisted laser desorption/ionization mass spectrometry," <u>Nucleic Acids Research</u> , 1997, 25: 4581-4588.
	CG	Pedersen et. al., "A method for directing evolution and functional cloning of enzymes," <u>Proc. Natl. Acad. Sci. USA</u> , 1998, 95:10523-8
	CH	Pieles, U. et al, "Matrix-assisted laser desorption ionization time-of-flight mass spectrometry: a powerful tool for the mass and sequence analysis of natural and modified oligonucleotides," <u>Nucleic Acids Research</u> , 1993, 21:No. 14 3191-3196
	CI	Polesky et al., "Identification of residues critical for the polymerase activity of the Klenow fragment of DNA polymerase I from <i>Escherichia coli</i> ," <u>J. Biol. Chem.</u> , 1990, 265:14579-91
	CJ	Pomerantz, S.C., et al., "Determination of oligonucleotide composition from Mass spectrometrically measured molecular weight," <u>J. Am. Soc. Mass Spectrom.</u> , 1993, 4: 204-209.
	CK	Prober, et al, "A System for Rapid DNA Sequencing with Fluorescent Chain-Terminating Dideoxynucleotides," <u>Science</u> 1987, Vol. 238, 336-341
	CL	Sanger, et al., "DNA sequencing with chain-terminating inhibitors," <u>Proc. Nat. Acad. Sci. USA</u> , 74, 5463-5467 1977
24	CM	Schneider, K. and Chait, B.T., "Increased stability of nucleic acids containing 7-deaza-quanosine and 7-deaza-adenosine may enable rapid DNA sequencing by matrix-assisted laser desorption mass spectrometry," <u>Nucleic Acids Research</u> , 1995, 23: 1570-1575

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26	CN	Siebenlist, et al., "Contacts between <i>Escherichia coli</i> RNA polymerase and an early promoter of phase T7," <u>Proc. Natl. Acad. Sci. USA</u> , 1980, 77:122;
	CO	Siuzdak, G. "The emergence of mass spectrometry in biochemical research," <u>Proc. Natl. Acad. Sci.</u> , 1994, 91:11290-11297
	CP	Sousa, et al, "A mutant T7 RNA polymerase as a DNA polymerase," <u>EMBO Journal</u> Vol. 14 no. 18, pp. 4609-4621, 1995
	CQ	Stemmer, W. P. C., "Rapid evolution of a protein <i>in vitro</i> by DNA shuffling," <u>Nature</u> , 1994, 370:389-391.
	CR	Tabor, S., et al., "DNA sequence analysis with a modified bacteriophage T7 DNA polymerase," <u>Proc. Natl. Acad. Sci. USA</u> , 1987, 84:4767-4771.
	CS	Venter, J. C., et al., "Shotgun sequencing of the human genome," <u>Science</u> , 1998, 280:1540-1542;
	CT	Verdine, et al, "Immobilized Metal Affinity Chromatography of DNA," <u>Dept. of Chemistry, Harvard University</u> , 5/29/96
	CU	Verdine, et al., "Template-Directed Interference Footprinting of Cytosine Contacts in s Protein-DNA Complex: Potent Interference by 5-Aza-2'-deoxycytidine," <u>Biochemistry</u> , 1992, 31:11265-11273
	CV	Verdine, et al., "Template-Directed Interference Footprinting of Protein-Adenine Contacts," <u>JACS</u> , 1996, 118:6116-6120
	CW	Verdine, et al., "Template-Directed Interference Footprinting of Protein-Guanine Contacts in DNA," <u>JACS</u> , 1991, 113:5104-5106
	CX	Verdine, et al., "Template-Directed Interference Footprinting of Protein-Thymine Contacts," <u>JACS</u> , 1993, 115: No.1 373-374
	CY	Voss, H., et al., "Automated low-redundancy large-scale DNA sequencing by primer walking," <u>Biotechniques</u> , 1993, 15:714-721
	CZ	Wang, B. H., et al "Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry of chemically modified oligonucleotides," <u>Analytical Chemical</u> , 1994, 66: 1918-1924
	DA	Wang, B. H., et al, Sequencing of modified oligonucleotides using in-source fragmentation and delayed pulsed ion extraction matrix-assisted laser desorption ionization time-of-flight mass spectrometry," <u>Internat'l J. of Mass Spec. and Ion Process</u> , 1997, 169/170:331-350
	DB	Weber, J. L. "Human whole-genome shotgun sequencing," <u>Genome Research</u> , 1997, 7:401-409
	DC	Williams, E. R., "Tandem FTMS of Large Biomolecules," <u>Anal. Chem.</u> , 1998, 70:179A-185A
26	DD	Wu, K., et al, "Time-of-flight mass spectrometry of underivatized single-stranded DNA oligomers by matrix-assisted laser desorption," <u>Anal. Chem.</u> , 1994 66, 1637-1645

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